DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-002930
Date Inspected: 22-Nov-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island
OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Changxing Dao, Shangha

Quality Control Contact: Don Walton
Quality Control Present: ☑ Yes ☐ No

Material transfer:	☐ Yes	☐ No	☑ N/A	**Sampled Items:**	☐ Yes	☐ No	☑ N/A
Stock Transfer:	☐ Yes	☐ No	☑ N/A	**OK to Cut:**	☐ Yes	☐ No	☑ N/A
Rebar Test Witness:	☐ Yes	☐ No	☑ N/A	**Delayed/Cancelled:**	☐ Yes	☐ No	☑ N/A

Other: Coatings Inspection
Bridge No: 34-0006
Bid Item: 77, 78, 79
Component: OBG, Sub-Assemblies (OBG) and Office.
Lot No:

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Crash Barrier Internal Surfaces (24 Each), NOI Number 5095: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barrier Internal Surfaces (24 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects (holidays) in the applied Interzinc 22 undercoat.

Crash Barrier External Surfaces (32 Each), NOI Number 5096: In preparation for final coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Crash Barrier External Surfaces (32 Each) was tested in accordance with SSPC-SP 1 (Surface Cleanliness). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects (grinding/sanding) in the applied Interzinc 22 undercoat and uncured (wet) Interzinc 52.

Bike Path Panel 6A-002 (1 each), NOI Number 5097: In preparation for finish coat installation of Interfine 979 Polysiloxane, the Bike Path Panel 6A-002 (1 each) was tested in accordance with SSPC-SP 1 (Surface Cleanliness). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to

defects (mud cracks) found in the applied Interzinc 22 undercoat in weld seam areas.

Crash Barrier External Surfaces (32 Each), NOI Number 5098: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives recorded the results of adhesion testing. Crash Barrier External Surfaces (32 each) readings x2 6.95 mPa 95% c and 7.73 100% c. No discrepancies noted.

OBG Stiffeners (22 Each), NOI Number 5099: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on OBG Stiffeners (22 Each). Recorded x3 surface profile readings in the range of 77 to 80 µm. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barrier Internal Surfaces (24 Each), NOI Number 5102: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barrier Internal Surfaces (24 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

OBG

12BE OBG External Surfaces, NOI Number 5100: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 12BE OBG External Surfaces. Recorded x2 soluble salts readings of 28.7 and 21.5 µs/cm. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to required weld repairs and unsatisfactory surface preparation (blasting).

12BW OBG External Surfaces, NOI Number 5101: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on 12BW OBG External Surfaces. Recorded x2 soluble salts readings of 9.5 and 33.3 µs/cm. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to required weld repairs and unsatisfactory surface preparation (blasting).

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

SOURCE INSPECTION REPORT

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Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer